Abstract

In recent years, waiting time in hospitals, emergency admissions, etc., are extremely costlier. It also increases the workload of doctors and medical professionals. Managing the cost, quality of treatment and caring for seniors are important issues in healthcare. These issues have a demand for in-home patient monitoring. Here the human body parameters are fetched by different ways through biosensors, wearable medical devices, and smart textiles. Then the collected details are forwarded to the remote server through the internet. Wearability, security, accuracy, outdoor monitoring and ease of use are some of the aspects in in-home patient monitoring system. This paper reviews the current research and development on in-home patient monitoring. A variety of system implementations were compared and evaluated to identify the technical shortcomings in the present health monitoring systems. The aim of this survey is to provide the direction for future research improvements.

References

A Survey on Effective In-Home Health Monitoring System

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- J. Hur, "Improving Security and Efficiency in Attribute-Based Data Sharing", IEEE Transactions on Knowledge and Data Engineering, IEEE 2011


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Index Terms

Computer Science

Biomedical
Keywords

In-home patient monitoring  biosensors  wearable medical devices  smart textiles  outdoor monitoring